#APPROVEDITOR: NEW YORK OF THE PROPERTY OF THE

TARMOPOL'SKIY, V.G.[Tarmopol's'kyi, V.H.]

Absolutely indefinite case for a difference operator with operator coefficients. Dop.AN URSR no.3:305-308 160. (MIRA 13:7)

1. Kiyevskiy pedagogicheskiy institut im. O.M.Gor'kogo. Predstavleno akademikom AN USSR B.V.Gnedenko [B.V.Hniedenko]. (Operators(Mathematics))

S/020/61/136/004/004/026 C111/C222

16.3900 Tarnopol'skiy, V.G. AUTHOR:

The Dispersion Problem for Difference Equations

PERIODICAL: Doklady Akademii nauk SSSR, 1961, Vol. 136, No. 4, pp. 779 - 782

The author considers the difference equation TEXT:

(1)
$$\frac{1}{2} \left(u_{j+1} + u_{j-1} \right) + c_j u_j = \lambda u_j$$

where $u_j(-\infty < j < +\infty)$ is the sought sequence of complex numbers, $|\lambda| < 1$, Im $\lambda = 0$. Let the c_j be real and $c_j = O(1/|j|^{1+\mathcal{E}})$, $\mathcal{E} > 0$, for $|j| \rightarrow \infty$.

Problem: Find a solution of (1) having the form
(2) $u_j = e^{\lambda i j \theta} + v_j^{(\lambda)}(\lambda)$

(2)
$$u_{j} = e^{\lambda i j \theta} + v_{j}^{(\lambda)}(\lambda)$$

(0 = arc cos λ , γ = $\overset{+}{}$ 1) , where the $v_{j}^{(\gamma)}(\lambda)$ satisfy the radiation conditions

Card 1/4

S/020/61/136/004/004/026 C111/C222

The Dispersion Problem for Difference Equations

$$v_{j+1}^{(y)}(\lambda) - e^{-i\vartheta}v_{j}^{(y)}(\lambda) = 0 \quad \text{(1)} \quad \text{for } j \to +\infty$$

$$v_{j+1}^{(y)}(\lambda) - e^{i\theta}v_{j}^{(y)}(\lambda) = 0 \quad \text{(1)} \quad \text{for } j \to -\infty$$

Theorem 1 asserts that the problem has a unique solution. Theorem 2 considers the inverted problem and states that if in two points j=n, n+1 $(n>n_0)$ for all λ , $|\lambda|<1$, the scattered wave v(1) (λ)

is known and if the jumps of the spectral matrix for $|\lambda| > 1$ are known then the equation (1) which corresponds to these data is uniquely determinable. Here in theorem 2 it is assumed that $c_j = 0$ for $|j| \gg n_0$.

Let H be a Hilbert space in which an involution is given. The author considers

(11)
$$\frac{1}{2}(u_{j+1} + u_{j-1}) + c_j u_j = \lambda u_j$$

Card 2/4

s/020/61/136/004/004/026 C111C222

The Dispersion Problem for Difference Equations

 $(-\infty < j < +\infty)$, where $u_j \in H$, $|\lambda| < 1$ and C_j are bounded, selfadjoint and real (i.e. preserving the involution) operators in H. Let $C_j = 0$

for $|j| \ge n_0$. For the given $x \in H$, ||x|| = 1, find a solution (12) $u_j = xe^{yij\theta} + v_j^{(y)}(\lambda; x)$

of (11), where $\theta = \arg \cos \lambda$; $y = \pm 1$, and the sequence $v_1^{(y)}(\lambda,x) \in \mathbb{H}$ satisfies the radiation conditions

The theorems 3 and 4 contain the same assertions for (11) as the theorems 1 and 2 for (1). Card 3/4

S/020/61/136/004/004/026 C111/C222

The Dispersion Problem for Difference Equations

The author thanks Yu.M. Berezanskiy for the theme and advices. There are 7 references : 6 Soviet and 1 French.

ASSOCIATION: Krivorozhskiy gosudarstvennyy pedagogicheskiy institut (Krivoy Rog State Pedagogical Institute)

PRESENTED: September 16, 1960, by S.L. Sobolev, Academician

SUBMITTED: September 14, 1960

Card 4/4

PRINCIPAL OF THE PROPERTY OF T

TARNOPOL'SKIY, V.G.

Sufficient conditions of the self-adjointness of difference operators with operator coefficients. Pribl.metod.resh.diff. (MIRA 18:4) urav. no.2:140-158 164.

CIA-RDP86-00513R001755020002-9"

TARNOPOL SKIT, YA. L.

TARNOPOL'SKIY, Ya.I.,

Conference on the prevention of occupational accidents in the lumbering industry in the Tatar A.S.S.R. Ortop.travm. i protes. no.2:85 Mr-Ap 155. (TATAR A.S.S.R--LUMBERING--SAFFTY MEASURES)

TARNOPOL'SKIY, Ya.I.; YAKUPOVA, N.S.

Results of rehabilitation therapy for veterans of World War II in Tatar A.S.S.R. (1945-54) Ortop.travm. i prtez. no.5:66-69 S-0 155. (MIRA 9:12)

l. Iz Kazanskogo nauchno-issledovatel'skogo instituta ortopedii i vosstanovitel'noy khirurgii (dir. - zaslushennyy deyatel' nauki TASSE prof. L.I.Shulutko)

(REHABILITATION

in Russia, veterans of World War II in Tatar ASSR) (VETERANS

in Russia, rehabil. of veterans of World War II in Tatar ASSR)

This is a second and a second a

TARNOPOL'SKIY, Ya.I. (Kazan')

Role of intermediate medical personnel in the prevention of injuries in the petroleum industry. Fel'd. i akush. 21 no.6:21-24 Je '56. (MIRA 9:9)

(PETROLEUM INDUSTRY-SAFETY MEASURES)

TARNOPOL'SKIY, Ya.I., Cand Med Sci -- (diss) "Materials for the Study of Traumatism and Traumatological Aid in the city of Kazan'." Kazan', 1957. 20 pp. (Kazan' State Med Inst, Kazan' State Sci Res Inst of Rehabilitation Surgery and Orthopedics), 300 copies (KL, 49-57, 116)

TARNOPOL'SKIY, Ya.I.

Classification of injuries. Ortop., travm. i protes. 18 no.2:16-20 Mr-Ap '57. (MLRA 10:8)

l. Iz organizatsionno-metodicheskogo sektora (zav. - Ya.I.Tarnopol!-skiy) Kazanskogo nauchno-issledovatel!skogo instituta vosstanovitel!-noy khirurgii i ortopedii (dir. - zasluzhennyy deyatel! nauki Tatarskoy ASSR prof. L.I.Shulutko)

(WOUNDS AND INJURIES
classif.)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9" CIA-RDP86-00513R001755020002-9"

SHULUTKO, L.I., prof.; TARNOPOL'SKIY, Ya.I., kand.med.nauk

Organization of measures to control agricultural injuries under the new conditions. Sov.med. 23 no.8:132-135 Ag \$59. (MIRA 12:12)

1. Iz Kazanskogo nauchno-issledovatel skogo instituta travmatologii i ortopedii (dir. - prof. L.I. Shulutko).

(AGRICULTURAL WORKERS wounds & inj.)

SHULUTKO, L.I., prof.; TARNOPOL'SKIY, Ya.I., kand.med.nauk

Prevention of industrial accidents in the petroleum industry of the Tatar A.S.S.R. Kaz.med.zhur. no.5:74-77 S-0 *60. (MIRA 13:11)

1. Iz Kazanskogo nauchno-issledovatel*skogo instituta travmatologii i ortopedii.

(TATAR A.S.S.R.--PETROLEUM INDUSTRY AND TRADE--ACCIDENTS)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9"

TARNOPOLISKIY, Ya.I. (Kazani)

Interprovince conference on accident prevention in the petroleum industry. Zdrav. Ros. Feder. 4 no.7:43-44 Je '60. (MIRA 13:9) (PETROLEUM INDUSTRY—ACCIDENTS)

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9

CIA-RDP86-00513R001755020002-9

SHULUTKO, L.I., zasluzhennyy deyatel nauki, prof.; TARNOPOL'SKIY, Ya.I., kand.meditsinskikh nauk

Basic principles in the prevention of agricultural injuries under new conditions. Ortop. travm. i protez, 21 no. 7:66-71 Jl '60. (MIRA 13:10)

l. Iz Kazanskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - prof. L.I. Shulutko).

(AGRICULTURE—ACCIDENTS)

TARNOPOL'SKIY, Yu.

Conference on elastic oscillation problems; a review. Vestis Laty

Conference on elastic oscillation problems; a review. Vestis Latv ak no.2:201-202 *60.

(Oscillations) (Elasticity)

TARNOPOL'SKIY, Yu.

Conference concerning the problems of elastic oscillations of mechanical systems. Vestis Latv ak no.9:177-180 '60. (EEAI 10:9)

(Elasticity) (Oscillations) (Mechanics)

24114 \$/197/61/000/004/001/004 B101/B229

14.4200

AUTHOR: Tarnopol'skiy, Yu.

TITLE: Application of parametric methods to determine the fatigue

limit of plastics

PERIODICAL: Izvestiya Akademii nauk Latviyskoy SSR, no. 4, 1961, 61-66

TEXT: The author treats the problem of the fatigue limit of plastics. The limit of the short-sided static strength is, as a result of its dependence on time and temperature, not sufficient to characterize the strength at constant stress with accuracy. Therefore, for the strength calculation of plastics, not only one curve, but a family of curves is required which, however, is not available at present for plastics used in machine construction, such as K-6 (K-6), AT-4B (AG-4V), AT-4C (AG-4S). In order to avoid a long-drawn-out experimental determination of these curves the parametric method according to F. R. Larson, J. Miller (Ref.15, see below), is recommended, which starts from the function: G = f(p). (G = fatigue limit, p = parameter, a function of temperature T, and time T). For this Larson-parameter, it is indicated: $p = T(C + \log T) = Q(G) \dots (1)$. C is a

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24114 s/197/61/000/004/001/004 B101/B229

Application of parametric ...

material constant, $Q(\sigma)$ is the activation energy depending on stress. With o = const, p = const. Reference is made to the relative papers by S. Goldfein (Refs.10-12, see below), and W. E. Gloor (Ref.9, see below), and from a paper by S. N. Zhurkov (Ref.8: Zh. tekhn. fiziki, 1958, 28) the function is indicated $\tau = \tau_0 \exp \left(U_0 - \chi \sigma \right) / RT$ (2), where τ_0, U_0 , and χ are material constants. R is the Boltzmann constant. By taking the logarithm of (2), and substituting new marks, it can be shown that there is a connection between the Larson-Miller parameter and 6: 5 = a - kp (3). As a result of Eq. (3) it is possible to construct as ,p diagram from short-termed strength tests, and to determine from this the carrying capacity of plastics dependent on time. There are 5 figures and 17 references: 8 Soviet-bloc and 9 non-Soviet-bloc. The 4 most important references to English-language publications read as follows: F. R. Larson, J. Miller, Transactions Am. Soc. Mech. Engrs. 1952, v. 74, no. 765 - 777; S. Goldfein, Proceedings ASTM, 1957, v. 54; ASTM Bulletin 1957, No. 224, Sept, and No. 225 Oct.; W. E. Gloor, Modern Plastics, v. 36 (Oct. 1958).

Institut avtomatiki i mekhaniki AN Latv. SSR (Institute of Automation and Mechanics, AS Latviyskaya SSR) ASSOCIATION:

Card 2/3

24214 S/197/61/000/004/001/004 B101/B229

Application of parametric ...

SUBMITTED: December 23, 1960

Card 3/3

TARNOPOL'SKIY, Yu.I.; BELOV, V.N. [deceased]

Oxygen-containing heterocycles. Part 1: Alkenylation of furan with diene chlorides. Zhur.org.khim. 1 no.3:595-598 Mr '65.

(MIRA 18:4)

Mendeleyeva.

"APPROVED FOR RELEASE: Inursday, September 26, 2002 CIA-RDP86-00513R001755020002-9"

CIA-RDP86-00513R001755020002-9"

BELOV, V.N. [deceased]; TARNOPOL'SKIY, Yu.I.

Reaction of butyrolactone with organomagnesium compounds. Zhur. org. khim. 1 no.4:634-636 Ap '65. (MIRA 18:11)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

APPROVED FOR RELEASE: Thursday, September 26, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9"

CIA-RDP86-00513R001755020002-9"

TARNOPOL'SKIY, Yu. M.

TARNOPOL'SKIY, Yu. M.: "The strength and rigidity of the basic connections on a velocipede." Min Higher Education USSR. Latvian State U. Riga, 1956. (Dissertation for the Degree of Candidate in Technical Sciences.)

Source:

这个组织了阿尔斯尼斯特的一个新闻感觉的心理技术

Knizhnaya letopis'

No 40

1956

Moscow

SOV/124-58-2-2214

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 100 (USSR)

AUTHOR: Tarnopol'skiy, Yu. M.

TITLE: The Three-dimensional Working of a Curved Beam in a Generalized

Elastic Medium (Prostranstvennaya rabota krivogo brusa v

obobshchennoy uprugoy srede)

PERIODICAL: Izv. AN LatvSSR, 1957, Nr 1, pp 111-120

ABSTRACT: An examination of the problem of the head

An examination of the problem of the bending and torsion of a plane circular beam contained in a continuous elastic medium. The latter is characterized by its property that the reaction forces and moments developed at each point of the axis of the beam are determined by the linear combination of the corresponding displacements in the direction of the binormal and the angle of rotation of the section relative to the tangent to the axis of the circular beam. A fundamental differential equation is obtained for the problem relative to a beam having a constant cross section and an elastic medium having constant elastic characteristics. The author examines the stress analysis of a bicyclewheel rim, wherein the spokes are treated as a continuous generalized

Card 1/1 clastic footing.

Wherein the spokes are treated as a continuous generalized elastic footing.

D. V. Vaynberg

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
TARNOPOL SKIY, Yu. M.

"Bending of Beams with Straight and Circular Axes on An Elasto-plastic Basis." Voprosy dinamiki i prochnosti (Problems of Dynamics and Strength), Riga, Izd-vo AN Latviyskoy SSR, 1958, 178 pp. (Sbornik Statey, Inst. Mashinovedeniya, AN Lat SSR, vyp. 5)

The book is a collection of ten research papers, prepared by members of Acad. Sci. Lat SSR, Latvian State University and the Riga Red Banner Higher Military School for Aeronautical Engineering im. K. E. Voroshilov.

757 147

115

PHASE I BOOK EXPLOITATION

SOV/5367

Mutsenek, Karl Yanovich, and Yuriy Matveyevich Tarmopol'skiy

Puti snizheniya vesa mashin i ekonomii metalla v mashinostroyenii (Ways of Decreasing the Weight of Machinery and Economizing on Metal in the Machine Industry) Riga, Izd-vo AN Latviyskoy SSR, 1960. 111 p. Errata slip inserted. 1,500 copies printed.

Sponsoring Agency: Akademiya nauk Latviyskoy SSR. Institut mashino-vedeniya.

Ed.: Ye. Savel'yeva; Tech. Ed.: Ye. Piladze.

PURPOSE: This book is intended for technical personnel and designers in the machine-building industry.

COVERAGE: Methods are discussed for economizing on metal in machine building by reducing the weight of machines. In this connection the designing of the machine, the proper selection of materials, and various manufacturing processes are taken into consideration.

Card-1/3

APPROVED FOR RELEASE: Thursday, September 26, 2002

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CIA-RDP86-00513R001755020002-9"

Ways of Decreasing (Cont.)

SOV/5367

This booklet is an expanded and revised version of the authors original work, published in Latvian in 1956. No personalities are mentioned. There are 25 references, all Soviet.

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Ch. I. Reducing the Weight of Machines Through Proper Design 1. Present trends in machine construction 2. Analysis of the net weight of component parts.	11 11
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Card-2/2	

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9*

CIA-RDP86-00513R001755020002-9*

TARNOPOL'SKIY, Yu.M.; AKUNTS, K.A.; PETROV, A.V.

Use of plastic materials in the construction of collectors of electrical machinery. Plast.massy no.10:44-46 '(1. (MIRA 15:1) (Electric machinery) (Plastics)

s/196/61/000/011/025/042 E194/E155

Fish, A.Ya., Tarnopol'skiy, Yu.M., Petrov, A.V., and AUTHORS:

Electrical machine commutators with plastic frames

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, TITLE:

no.11, 1961, 4, abstract 111 29. (Vestn. elektroprom-sti32 no.4, 1961, 22-26)

The article describes two new constructions of commutator with plastic frame and copper bars having both one and several V-pieces. A structural feature of the first type is that the V-pieces by which the bars are fixed to the plastic TEXT: frame are formed in the cross-section of the copper bar over its entire width. When the bar is more than 4 = 5 mm thick the longitudinal V-piece is made continuous, and for small thicknesses discontinuous. Then the cut-away pieces in neighbouring bars are so arranged in honeycomb fashion as to avoid the possibility of contact between bars when pressing the commutator frame and to ensure that the jumpers are thick enough. A feature of the

Card 1/2

Electrical machine commutators ...

S/196/61/000/011/025/042 E194/E155

commutator with multiple V-pieces is that the part of the copper bar fixed in the plastic frame is made in the form of several V-pieces. In addition to the lugs at the end the copper bar may have one or several intermediate support elements. This construction of commutators on plastic frames gives an appreciable economy of copper and micanite without loss of structural strength. 5 illustrations. 8 literature references.

[Abstractor's note: Complete translation.]

Card 2/2

APPROVED FOR RELEASE: Thursday, September 26, 2002

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CIA-RDP86-00513R001755020002-9"

CIA-RDP86-00513R001755020002-9"

TARNOPOL'SKIY, Yu.M.; PETROV, A.V.; AKUNTS, K.A.; Prinimali uchastiye:
KAULINYA, R.P., mladshiy nauchnyy sotrudnik; KONSHEV, A.V. inzh.

Effect of compression parameters on the strength of the plastic AG-4. Plast.massy no.4:65-67 '62. (MIRA 15:4) (Plastics--Molding)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020000-9 CIA-RDP86-0051200000-9 CIA-RDP86-005120000-9 CIA-RDP86-000000-9 CIA-RDP86-00000-9 CIA-RDP86-00000-9 CIA-RDP86-00000-9 CIA-RDP86-00000-9 CIA-RDP8

FISH, Aron Yakovlevich; TARNOPOL'SKIY, Yuriy Matveyevich; AKUNTS, Karlen Armenakovich; PETROV, Aleksandr Vasil'yevich; POPOV, K.K., red.; BUL'DYAYEV, N.A., tekhn. red.

[Collectors of electrical machines using plastic materials]
Kollektory elektricheskikh mashin na plastmasse. [By]A.IA.
Fish i dr. Moskva, Gosenergoizdat, 1963. 191 p.
(MIRA 16:4)

(Electric machinery) (Plastics)

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9

CIA-RDP86-00513R001755020002-9

TARNOPOL'SKIY, Yu.M.; PORTNOV, G.G.

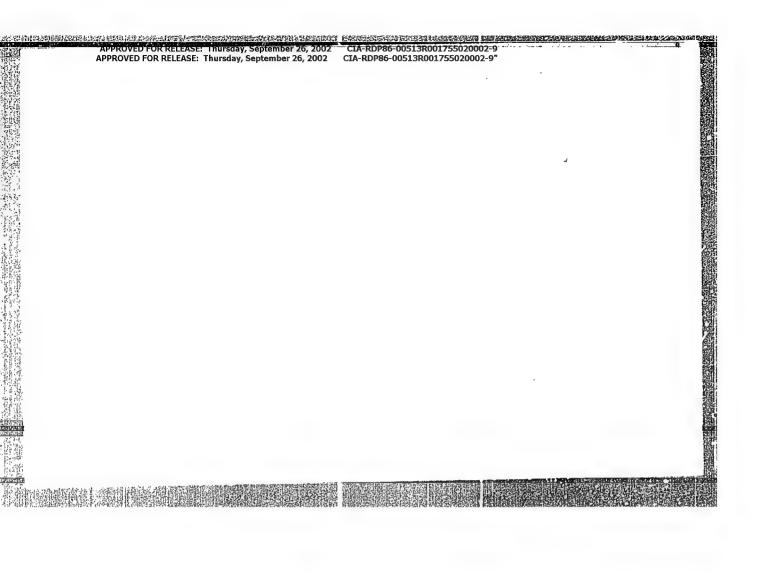
Investigation of the process of compression molding of parts made of glass plastics. Plast. massy no.11:19-23 '63. (MIRA 16:12)

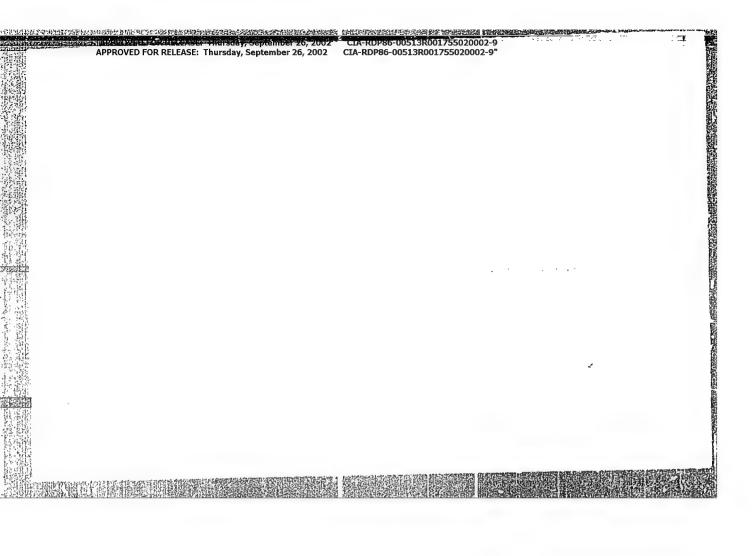
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9"

CIA-RDP86-00513R001755020002-9"

FISH, A.Ya., inzh.; TARNOPOL'SKIY, Yu.M., kand.tekhn.nauk

Choice of the height of the collector plate. Vest. elektroprom. 34 no.4:66-68 Ap '63. (MIRA 16:10)





APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9*

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APPROVED FOR RELEASE: Thursday, September 26, 2002. CIA-RDP96-00513R001755020002-9*

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9" APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9*

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9

AUTHOR: Tarnopol'skiy, Ta. H.; Portnov, G. G.

ORG: Institute of the Hechanics of Polymers, Academy of Sciences, Latvian SSP, Piga (Institut mekhaniki polimerov Akademii nauk Latviyskoy SSR)

TITLE: Change in winding tension during filament winding of glass reinforced plastic products

SOURCE: Hekhanika polimerov, no. 2, 1966, 278-284

TOPIC TAGS: filament winding, filament wound construction, glass reinforced plastic

ABSTRACT: A filament winding process for prestressed oriented reinforced plastics has been investigated. It was shown that the essential anisotropy of the properties of these materials is the cause of a change in the initially predetermined winding tension. Based on the assumption that the materials exhibit linear-elastic tehavior, the distribution of winding tension was investigated for the case of the winding of a ring onto a rigid mandrel. A calculation method is proposed for determining the change in winding tension and the critical number of turns above which the pressure on the mandrel remains constant.

Orig. art. has: 12 formulas and 6 figures.

SUB CODE(311) SUB DATE: 300ct65/ ORIG REF: 007/ OTH REF: 003

Card 1/1 SUB DATE: 300ct65/ ORIG REF: 007/ OTH REF: 003

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-06513R001755020002-9"

LAPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-06513R001755020002-9"

ACC NR: AP6032716 SOURCE CODE: UR/0374/66/000/004/0535/0542

AUTHOR: Tarnopol'skiy, Yu. M.; Roze, A. V.

ORG: Institute of the Mechanics of Polymers, Academy of Sciences, BlatSSR, Riga (Institut mekhaniki polimerov Akademii nauk LatSSR)

TITLE: Bending strength of oriented glass-reinforced plastics

SOURCE: Mekhanika polimerov, no. 4, 1966, 535-542

TOPIC TAGS: glass reinforced plastice, shear strength, shear resistance, stress distribution, bending failure, plasticing glass coafing, reinforced plastic/AG-45 plastic, 27-635 plastic, EF32-301 plastic

ABSTRACT: A study has been made of the effect of the low shear strength and shear resistance of oriented glass-reinforced plastics on stress distribution and type of bending failure. On the basis of relationships, derived in an earlier study [Tarnopol'skiy, Yu. M., A. V. Roze, and V. A. Polyakov. Mekh. polim., 1965, 2, 38] it was shown that the tangential stresses is essential only for very short beams made with of bending failure showed that the main cause of widening of the shear failure region of oriented glass-reinforced plastics is the low shear

Cord 1/2

UDC: 678:539.41

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9

CIA-RDP86-00513R001755020002-9*

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ACC NR: AP6032716

strength of the material. The study has made it possible to establish the boundaries of this region for three brands of glass-reinforced plastics series produced in the Soviet Union ($\Lambda G-45$, 527-635, and EF32-301). Anisotropy of elastic properties was shown to produce a negligible effect on the type of the bending failure. Orig. art. has: 6 figures and 2 tables.

SUB CODE: 11/ SUBM DATE: 23Feb66/ ORIG REF: 008/ OTH REF: 002

Card 2/2

S/114/62/000/008/003/006 E194/E455

AUTHORS: Tarnopol'skiy, Yu.Ya., Engineer, Nemtsev, A.D.,

Engineer

TITLE: Model blades of plastic grade ACT-T (AST-T)

PERIODICAL: Energomashinostroyeniye, no.8, 1962, 26-27

TEXT: In 1959, the KhTGZ im. Kirova commenced making blades for turbine models of acrylic plastic grade AST-T (the initials denote acrylic, self-hardening, technical) for which the ratio of ultimate_tensile strength to specific gravity equalser and ... 605 x 103 kgm/kg. The ultimate strength (kg/cm2) is: in tension 600 to 800; in bending 800 to 1200; in shear 460.. The impact strength, kgm/cm² equals 0.12 and the specific gravity 1.16 to 1.18 g/cm³. The operating temperature is up to 60°C. The pattern blade is made of steel, duralumin or brass, the press mould of Woods metal. A 3:1 mixture of plastic polymer powder and fluid is pressed at 35 to 40°C for 10 min. One mould can make 100 blades. The scatter of blade thickness did not exceed 0.04 to 0.06 mm. The blade surfaces were polished after moulding. One of several examples mentioned is a compressor runner 200 mm Card 1/2

Model blades of plastic ...

S/114/62/000/008/003/006 E194/E455

diameter; the T-shaped roots of the plastic blades were secured in the slots with carbonyl adhesive. In overspeed tests the blades failed at 16000 rpm which corresponds to calculations. ran for a total of four hours with a maximum peripheral speed of Moisture and dirt in the works compressed-air supply 168 m/sec. sometimes eroded the leading edges of the blades and in future it is proposed to clean the air. For a model compressor with an external diameter of 250 mm, blades made from plastic are about one tenth of the cost of blades made of steel grade 1X13 (1Kh13) by the usual works methods and cost between a half and a third that of blades cast of aluminium alloys. The saving is due to the simplicity of manufacture rather than the cheaper material. The only practical limitation is that the operating temperature should not exceed 60°C ... There are 3 figures.

Card 2/2

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
CIA-RDP86-00513R001755020002-9"

TARNORUDER, Yu.F.

Conference of young cyberneticists. Priroda 54 no.9:120-121 3 165.

(MIRA 18:9)

1. Vneshtatnyy korrespondent zhurnala "Priroda", Klyev.

MAJOR, Laszlo, dr.; BALOGH, Antal, dr.; S. TARNOTZKY, Klara, dr.; DEVECSERI, Beno, dr.

Group intoxication with methyl alcohol. Orv. hetil. 102 no.49:2327-2331 3 D 161.

1. Szabolcs-Szatmar Megyei Tanacs Korhaza, Nyiregyhaza, I es II Belgyogyaszat, Szemeszeti es Gyermekgyogyaszati Ösztaly.

(ALCOHOL METHYL toxicol)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
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CIA-RDP86-00513R001755020002-9"

ZEMPLENI, Bela; TARNOTZKY, Klara; EGYUD, Kamillo

Disorders of the eye in massive poisoning with methyl alcohol. Szemeszet 98 no.3:136-140 S '61.

1. A Szabolcs-Szatmar Megyei Tanacs korhaza (igazgato foorvos: Lengyel Ferenc) szemeszeti osztalyanak (foorvos: Zempleni Bela) közlemenye.

(ALCOHOL METHYL toxicol) (EYE pathol)

TARNOVA, L. V.

"Carp in Ili River Delta Reservoirs and Their Utilization." Cand Biol Sci, Inst of Zoology, Acad Sci Kazakh SSR, Alma-Ata, 1054. (RZhBiol, No 2, Jan 55

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13) SO: Sum. 598, 29 Jul 55

APPROVED FOR RELEASE: Thursday, September 26, 2002
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CIA-RDP86-00513R001755020002-9"

YATSENKO, I.P., professor, redaktor; MEYSAKHOVICH, Ya.A., kandidet collections.

YATSENKO, I.P., professor, redaktor; MEYSAKHOVICH, Ya.A., kandidat sel'skokhosyayatvennykh nauk, redaktor; PUSHIN, F.Ye., kandidat sel'skokhosyayatvennykh nauk, redaktor; TARMONICH, H. inshener, redaktor

Use of mechinary in the control of pests and diseases of agricultural crops; proceedings of the 21st plenum of the Plant Gontrol Section; Mekhanisatsiia bor'by a vrediteliami i bolesniami sel'skokhosiaistvennykh kul'tur; trudy IXI plenuma Sektsii sashchity rastenii. Moskva, Gos.isd-vo sel'khos. lit-ry, 1953.

209 p. (MLRA 10:8)

Vsesoyusnaya akademiya sel'skokhosyaystvennykh nauk imeni
 V.I.Lenina. Sektsiya sashchity rasteniy.
 (Plant diseases) (Agricultural pests)
 (Agricultural machinery)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9

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CIA-RDP86-00513R001755020002-9

TARNOVICH, N.K., inshener-mekhanik; OSTROUMOV, G.M., inshener-mekhanik.

Experimental examination of the operation of plungers of pumps used in spraying. Sel'khosmashina no.12:18-21 D *53.

(MLRA 6:12)

1. Vsesoyuznyy institut zashchity rasteniy (for Tarnovich).

2. Zavod im. Libknekhta (for Ostroumov).
(Spraying and dusting equipment)

"APPROYED FOR RELEASE: Thursday, September 26, 2002"

APPROYED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9"

CIA-RDP86-00513R001755020002-9"

TARNOVICH, N.K. inzhener-mekhanik.

Wear of plungers of sprayer pumps. Sel'khozmashina no.1:18-21 Ja '55. (MIRA 8:3)

1. Vsesoyuznyy institut zashchity rasteniy.
(Pumping machinery)(Spraying and dusting equipment)

APPROVED FOR RELEASE: Thursday, September 26, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

TAR TOVICH, N.K., kandidat sel'skokhozyaystvennykh nauk

Research on the process of chemical control of weeds in grain crops. Sel'khozmashina no.5:14-17 My '55. (MIRA 8:6)

1. Vsesoyuznyy institut zashchity rasteniy.
(Spraying and dusting equipment) (Weed control)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
CIA-RDP86-00513R001755020002-9"

TARNOVICH, N.K., kandidat, sel'skokhosyaystvennykh nauk.

Truck-mounted sprayer. Sel'khosmashina no.11:8-9 E '55.

1. Vsesoyuznyy institut mashchity rasteniy.
(Spraying and dusting equipment)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9"

VOYEVODIN, A.V.; TARROVICH W.K.

Increasing the effectiveness of chemical weed centrel in grain fields. Dokl.Akad.sel'khez.21 no.6:18-21 '56. (MIRA 9:9)

1. Vseseyuznyy nauchne-issledevatel'skiy institut zashchity rasteniy. Predstavlena sektsiyey zashchity rasteniy Vseseyuzney erdena Lenina akademii sel'skekhezyzystvennykh nauk imeni V.I.Lenina.

(Weed centrel) (Spraying and dusting)

TARNOVICH, N.K., kand.tekhn.nauk.

Investigating the jet of high-capacity nozzles. Sel'khozmashina no.7:25-28 Jl '57. (MIRA 11:1 (MIRA 11:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity rasteniy.

(Spraying and dusting equipment)

APPROVED FOR RELEASE: Thursday, September 20, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9"

CIA-RDP86-00513R001755020002-9"

TARNOVICH, N.K.

Stages of the development of mechanization. Zashch. rast. ot vred. i bol. 2 no.6:34-36 N-D 57. (MIRA 16:1) (Agricultural machinery) (Plants, Protection of)

APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
CIA-RDP86-00513R001755020002-9
CIA-RDP86-00513R001755020002-9

TARNOVICH, N.K.

Some problems of the mechanization of plant protection in the seven-year plan. Zashch. rast. ot vred. i bol. 4 no.5:17-18 S-0 '59. (MIRA 16:1)

1. Zavednyushchiy laboratoriyey mekhanizatsii Vsesoyuznogo instituta zashchity rasteniy.

(Plants, Protection of)

APPROVED FOR RELEASE: Hiursday, September 26, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9"

TARNOVICH, N.K.

New machines. Zashch.rast.ot vred.i bol. 4 no.6:19-21 !}-D *59. (MIRA 15:11)

1. Zaveduyushchiy laboratoriyey mekhanizatsii Vsesoyuznogo instituta zashchity rasteniy.

(Spraying and dusting equipment)

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9"

CIA-RDP86-00513R001755020002-9"

TARNOVICH, N. K.

Improve the working out of specifications for agricultural machinery. Zashch, rast. ot vred. i bol. 5 no.11:20-21 N '60. (MIRA 16:1)

(Spraying and dusting equipment)

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9

CIA-RDP86-00513R001755020002-9

CHIGAREV, G. A.; TARNOVICH, N. K.; STAROSTIN, S. P., BONCH, E. I.

Disinfecting seeds with atomized suspensions. Zashch. rast. ot vred. 1 bol. 5 no.6:15-16 Je 60. (MIRA 16:1)

(Seeds-Disinfection)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9

CIA-RDP86-00513R001755020002-9

TARNOVICH, N.K.; OSTROUMOV, G.M.

Study of spray nozzles. Trakt. i sel'khozmash. 32 nc.5:33-35 My '62. (MIRA 15:5)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00513R00175020002-9 CIA-RDP86-00512R00175020002-9 CIA-RDP86-00512R00175020002-9 CIA-RDP86-00512R00175020002-9 CIA-RDP86-00512R00175020000-9 CIA-RDP86-00512R00175020000-9 CIA-RDP86-00512R001750000-9 CIA-RDP86-00512R001750000-9 CIA-RDP86-00512R00175000-9 CIA-RDP86-00512R001750000-9 CIA-RDP86-00512R0000-9 CIA-RDP86-0

TARNOVICH, N.K.

Present state of mechanization in chemical plant protection. Trudy VIZR no.17:378-391 163. (MIRA 18:9) APPROVED FOR RELEASE: Thursday, September 26, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9*

CIA-RDP86-00513R001755020002-9*

TARNOVICH, Nikolay Konstantinovich; ZOTOVA, L.A., red.

[Mechanization of the chemical protection of plants]
Mekhanizatsiia khimicheskoi zashchity rastenii. Moskva, Znanie, 1964. 32 p. (Novoe v zhizni, nauke,
tekhnike. V Seriias Sel'skoe khoziaistvo, no.22)
(MIRA 17:11)

TARNOVSKA, K.

The plant tip and its role in carotin biosynthesis of tomato leaves. Doklady BAN 15 no.5:555-557 162.

1. Salastted by Academician A. Popoff [Popov, A.].

ACCESSION NR: AP4043559

8/0146/64/007/004/0009/0015

AUTHOR: Kapustina, T. P.; Porokhova, T. G.; Tarnovskaya, L. V.

TITLE: Structure of the surface layer of silicon and germanium ground plates

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 4, 1964, 9-15

TOPIC TAGS: semiconductor, semiconductor surface, semiconductor crystal, germanium surface, silicon surface ;

ABSTRACT: The surface layer with a disturbed (by grinding) crystal structure comprises three zones: (1) an outer relief zone consisting of randomly arranged ridges and valleys; (2) the thickest zone with single chips and deep cracks; and (3) a single-crystal zone without mechanical faults but with elastic deformations. Two first zones were experimentally investigated; both probe-type profilometers and interferention microprofilometers (design suggested by A. N. Zakhar'yevskiy) were used for studying the first zone; finer studies were made by optical and

Card 1/2

ACCESSION NR: AP4043559

electron microscopes. The depth of each zone was determined by successively polishing off the surface and accurately weighing the specimen. Some results of grinding by carborundum, boron carbide, quartz, artificial corundum, glass, and polyvinyl chloride are reported. The thickness values of the first and second zones obtained by grinding with M14-M5 abrasives are tabulated. Orig. art. has: 5 figures and 3 tables.

ASSOCIATION: Leningradskiy institut tochnoy mekhaniki i optiki (Leningrad Institute of Fine Mechanics and Optics)

SUBMITTED: 07Feb64

ENCL: 00

SUB CODE: EC

NO REF SOV: 005

OTHER: 000

Card 2/2

L 08954-67 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) JD/GG

ACC NR: AP6009185 SOURCE CODE: UR/0146/65/008/005/0152/0157

24

AUTHOR: Kapustina, T. P.; Porokhova, T. G.; Tarnovskaya, L. V.

ORG: Leningrad Institute of Fine Mechanics and Optics (Leningradskiy institut

tochnoy mekhaniki i optiki)

TITLE: Structure of surface layer of polished silicon slabs

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 5, 1965, 152-157

TOPIC TAGS: crystalline silicon, silicon single crystal, metal poliching

ABSTRACT: The tentative results are reported of a study of the Si-slab surface relief after the surface has been mechanically polished; "polirit," crocus, and oxides of Th, Ce, Cr, Al, Ti were used as polishing materials. The surface microroughness was measured by a multibeam interferometer; a minimum surface irregularity of 100 Å could be detected. The best polishing results were

Card 1/2

UDC: 621.315.592

L 08954-67

ACC NR: AP6009185

obtained with a very fine chromium oxide. The deepest (300-1000 Å) microchecks were formed when the Si surface was polished by a coarse chromium oxide. Polishing wheels made from pitch-colophony, butylmethacrylate, polyvinyl chloride, and caprone netting were tested; the polyvinyl-chloride and pitch-colophony wheels left deeper scratches (up to 430 Å) on the Si surface than other wheel materials. The absence of Si-crystal destruction at depths of 500-1000 Å was proven by etching off the polished surface layer and examining the crystal on a 40000x electron microscope. Orig. art. has:

0

SUB CODEL 20 / SUBM DATE: 24Sep64 / ORIG REF: 001 / OTH REF: 007

Cord 2/2 nst

Structure of the surface layer of polished silicon plates.

12v. vys. ucheb. zav.; prib. 8 no.5:152-157 165.

(MIRA 18:10)

1. Leningradskiy institut tochnoy mekhaniki i optiki. Rekomendovana kafedroy teorii epticheskikh priborov.

~GIA-КЫР86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9" September 26, 2002 TARNOVS Kaya 57 57 8 Shabers, We. Th. [Baserth Fellow]. Determination of the Anial Mydeshynania turn of The Milan of Mydralia Exremeshynanian Exremeshynanian Flat Files of Mydralia Strongeria Exremeshynanian Strongeria remembers, M. F. Basistand. Calculation of the Optimus Profile of the Marie Communication of the Optimus Profile of the Marie Communication of the Action to represent contain original results of the action in the search for spring cam pure (in the sense of minimum disensions and some other requirements) for use in search for spring communications and some other requirements. CONTRACTS. This volume deals with problems frequently encountained in modern instrument analyse and in dealgaing specialized sachines and lactures pener theory of extensitic congral, vibrations, theorytical and spoiled gyrancopy cachityte of maties, etc. Abstracts of the individual articles are given in the Italia of Cantonics. #C0Z/MOR PRECEE: This best is intended for actuantific and recentsh personnels onginess of schemes courses of intervented souther design This paper irrestinates a timely problem in modern recket technology, smally the problem of harbit directions of presence in the forest of a lightle-fool recket engine eccenting during the combustion precess. The market investigates the entire byteralis tircuit supplying fuel to the embestion themselves the entire byteralis tircuit supplying fuel to the memberium themselves. Betavalent to parameter required for stembility of the precess. References: Zoviet, i treatistion late measure. 100/M program G. L. [assistant]. On a method of Datemaining the Stability Stateman for the Operation of Limita-New Rocket Depines The paper investigated a timely problem in motors restor technology. M. (Titte page): V. V. Dabronzavov, Dactor of Physical and Mathemetical Maissons, Prefeorer; M. (Inside book): Ye. V. Latynin, Engineer: M. of Maissing hears: L. I. Deperform; Soch. Ed.: V. P. Bazhin; Managing M.: A. S. Zrymovskoys, Engineer. secondary R. P. fastitack). Determination of the Minima Dissolution of the Color Babbasha; abernik atatoy (Machanics; Callection of Articles) Boscow, 1899. 119 p. (Series: Its: Trusy vyp. 92) 3,400 caples printed. Errots ally inserted. Livin-Reder, N. 2. (Contidues of Persical and Mathematical Sciences, Major Extention to Department of Applies Bachanica at the Bosom Rest Extention of Applies Bachanica at the Bosom Rest Extention of the Service State Section of the Applies Distriction of the Applies Distriction of the Applies Distriction of the Applies Bosom Section of the Applies Products of the Part Section Section 2 Section 2 Section 2 Section 2 Section 2 Section 2 Section 3 Sectio Messer. Vyzakeyo takhaicheskeye uchilisache imeni H. E. Aumana PARSE I BOOK EDPLOITATION behantes; Callection of Articles achestons Chilecties of Articles NATIONAL LIBRARY Of Compa 30(0): 10(3): 25(3) ı ______

TARHOVSKAYA, M.P., assistant

Designing the optimum profile of the cam of a cam mechanism with a rotating cam and an advancing rod. [Trudy] WTU no.92:114-118 (AIRA 12:10)

TARNOVSKIY, A.; FEDOSOV, A.I., dotsent, nauchnyy rukovoditel*

Polarization of a conductive cylinder in a homogenous electric field. Uch.zap.Kuib.gos.ped.inst. no.3723-9 62. (MTRA 1621)

(Electric fields)

(Polarization (Electricity))

TARNOVSKIY, A.I., inch.; SHUKHMAN, D.I., inch.

Manufacture of peat semibriquets in White Russia. Torf. prom. (MIRA 13:3) 36 no.7:16-18 59.

CHARACTER TO THE SECRET SHEET SH

1.Sownarkhoz BSSR. (White Russia--Peat)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001755020002-9" CIA-RDP86-00513R001755020002-9"

TARNOVSKIY, A.I.

Peat industry of the Economic Council of the White Russian S. S. R. and the 22d Congress of the CPSU. Torf. prom. 38 no.6: 1-5 161. (MIRA 14:9)

1. Upravleniye torfyanoy promyshlennosti soveta narodnogo khozyaystva BSSR.

(White Russia -- Peat industry)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-

CIA-RDP86-00513R001755020002-9 CIA-RDP86-00513R001755020002-9

ACC NR: AP6018012

SOURCE CODE: UR/0413/66/000/010/0126/0126

INVENTORS: Lyubavskiy, K. V.; L'vova, Ye. P.; Sukhov, L. V.; Yarovinskiy, L. M.; Tarnovskiy, A. I.; Ryabchenkov, A. V.; Gerasimov, V. I.; Iodkovskiy, S. A.

ORG: none

TITLE: Welding electrode. Class 49, No. 181968 announced by Scientific Research Institute of Technology and Machine Construction (Nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya)

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 126

TOPIC TAGS: welding, welding electrode, austenite steel, carbon, silicon, manganese, chromium, nickel, molybdenum, niobium, sulfur, phosphorus

ABSTRACT: This Author Certificate presents a welding electrode for welding austenite steels containing carbon, silicon, manganese, chromium, nickel, molybdenum, niobium, sulfur, and phosphorus. To increase the resistance of welded seem to corrosion, the electrode composition is taken in the following percent relationship: carbon—not over 0.05; silicon—not over 0.45; manganese 2—10; chromium 19—25; nickel 33—50; niobium 0.8—1.2; molybdenum 2.5—7.5; sulfur or phosphorus—not over 0.02 of each.

SUB CODE: 13/ SUBM DATE: 29Apr65

Card 1/1

UDC: 621.791.042.2

GORBUTOWICH, G.D., inzh.; PAREMSKIY, B.D., inzh.; TARNOVSKIY, A.I., inzh.

Manufacture and use of peat-mineral-ammonium fertilizers in the White Rassian S.S.R. during 1961. Torf.prom. 39 no.3:11-14 162. (MIRA 15:4)

1. Gosplan BSSR (for Gorbutovich). 2. Gosudarstvennyy komitet Sovet Ministrov BSSR po koordinatsii nauchno-issledovatel'skikh rabot (for Paremskiy). 3. Sovnarkhoz BSSR (for Tarnovskiy). (White Russia—Fertilizers and mamure) (Peat) TALEM NURSE Y, A.S.

Comment on E.S. Kaplan's article "On the preferential use of the International System of Urits (S1) in teaching a course in electricity." Izv. vys. ucheb. zav.; fiz. 8 no.3:154 165. (MIRA 18:9)

1. Kuybyshevskiy pedagogicheskiy institut.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
CIA-RDP86-00513R001755020002-9"
CIA-RDP86-00513R001755020002-9"

OSTHOVSKIY, F., inzh.; TARNOVSKIY, E., inzh.

Pressure vessel used for antiseptic compositions. Stroitel' no.6:30
Je 158. (Pressure vessels)

ACCESSION NR: AR4027924

S/0137/64/000/002/3006/2006

SOURCE: RZh. Metallurgiya, Abs. 2B38

AUTHOR: Kaybicheva, M. N.; Tarnovskiy, G. A.

TITLE: Refractories used for making crucibles for high-frequency vacuum induction furnaces and causes of their wear

CITED SOURCE: Tr. Vost. in-ta ogneuporov, vy+p. 4, 1963, 106-126

TOPIC TAGS: refractory, orucible, magnesite, synthetic corundum

TRANSLATION: Results are given for an investigation of the causes of intensive wear of refractories under vacuum-melting conditions in high-frequency induction furnaces 6900 mm high and 2900 mm in diameter with a vacuum down to 10-7 mm Hg. orucibles were rammed out of 70-75% fused magnesite and 30-25% synthetic corundum No 100 containing 1-2% CaF2 and 3% moisture. The ramming was in layers (20 to 55 mm). The thickness of the crucible walls was 60-65 mm at the top, and 75-80 mm at the bottom. The crucibles were studied during the period of development and operation. The temperature of the metal was 1500-17000, and the latter remained in the crucibles for 2 to 5 hr. The life of the crucibles amounted to 19 meltings.

Card 1/2

ACCESSION NR: AR4027924

The chief cause of wear were transverse cracks, which are attributed to the increase cracks. It is recommended that corundum be added in amounts not exceeding 15%, that

cracks. It is recommended that corundum be added in amounts not exceeding 15%, that remains in layers and repressing be forsaken in making the crucibles, that the addition of CaF2 be excluded from the charge, that the moisture of the mass be reduced to ~ 1.5-2%, and that the crucibles be dried with air heated to 110-120° for abrupt cooling whould be allowed. This will make it possible to extend the life to

DATE ACQ: 19Mar64

SUB CODE: ML

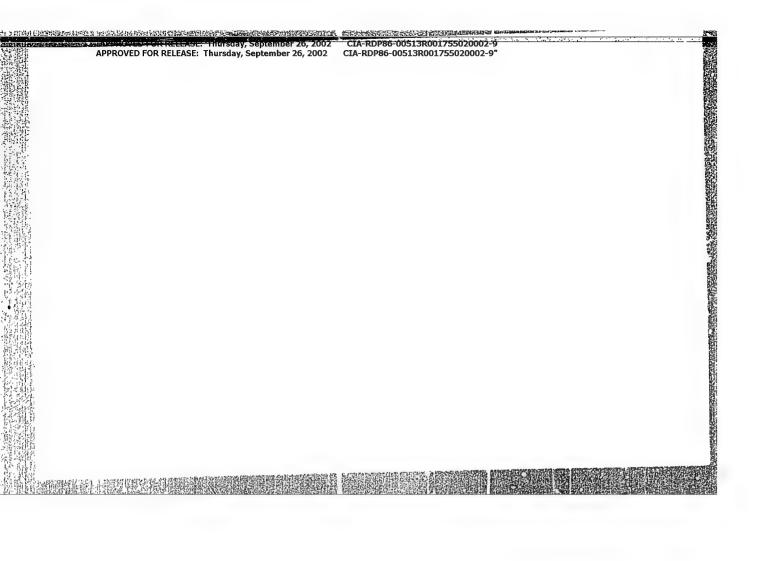
ENCL: '00'

Card 2/2

6, 2002 CIA-RDP86-00513R001755020002-9"

SEMENENKO, P.P.; BARYSHNIKOV, G.I.; FILATOV, V.P.; BAS'YAS, I.P.; FREYDENBERG, A.S.; GUDOV, V.I.; TARNOVSKIY, G.A.

Ramming the upper working layer of open-hearth furnace hearths. Metallurg 10 no.4:14 Ap 165.



"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
CIA-RDP86-00513R001755020002-9"
CIA-RDP86-00513R001755020002-9"

TARNOVSKIY, G.N.

Heulandite from pegmatites. Zap.Vost.-Sib.otd.Vses.min. ob-va no.1:97-100 159. (MIRA 14:7)

1. Institut geologii Vostochno-Sibirskogo filiala AN SSSR. (Heulandite) (Pegratites)

MOGAROVSKIY, V.V.; TARNOVSKIY, G.N.; VASIL'YEV, Ye.K.

Hypogene hydrozincite. Dokl. AN SSSR 161 no.4:929-931 Ap '65. (MIRA 18:5)

1. Institut geologii, Dushanbe. Submitted December 19, 1964.

LOGACHEV, N.A., red.; MINEYEV, I.K., red.; ODINISOV, M.M., red.;
POGODIN, Yu.V., red.; TARNOVSKIY, G.N., red.; TUNOL'SKIY,
L.M., red.; PERLOVICH, B.F., red.; KARAS', V.D., tekhn. red.

[Summaries of the reports of the Conference on Mineral Resources and the Geology of the Siberian Platform]Tezisy dokladov Soveshchaniia po geologicheskomu stroeniiu 1 mineral'nym resursam Sibirskoi platformy. Irkutsk, Akad. nauk SSSR, Sibirskoe otd-nie. No.4. 1960. 138 p. (MIRA 15:11)

1. Soveshchaniye po geologicheskomu stroyeniyu i mineral'nym resursam Sibirakoy platformy.

(Siberian Platform—Geology)
(Siberian Platform—Mines and mineral resources)

"APPROVED FOR RELEASE: Thursday, September 20, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001755020002-9"

TARNOVSKIY, G.N.; VASIL'YEV, Ye.K.

Bavenite from the pegmatites of Eastern Siberia. Zap. Vses. min. ob-va 93 no.1:29-36 '64 (MIRA 18:2)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirskogo otdeleniya AN SSSR.

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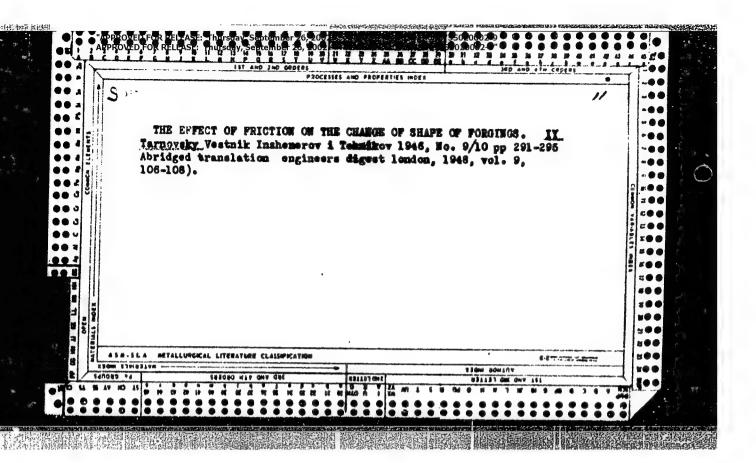
TARNOVSKIY, I., sele Kelesevkn, Omskey eblasti.

A receiver which can use battery or electric line power is needed.

Radio no.8:26 Ag '56.

(MIRA 9:10)

(Radio—Receivers and reception)



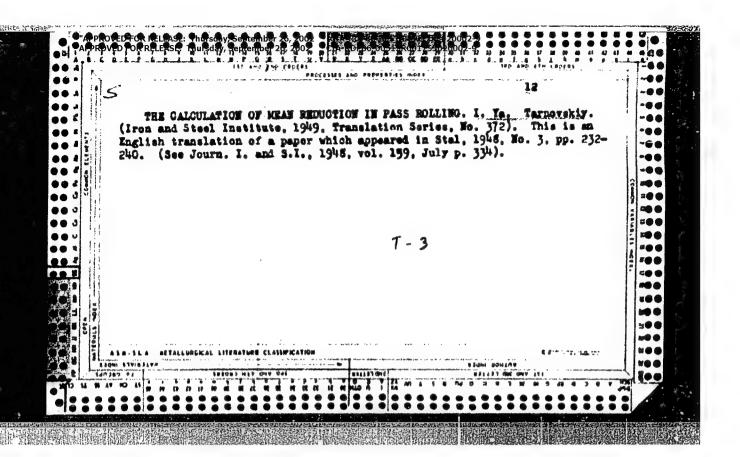
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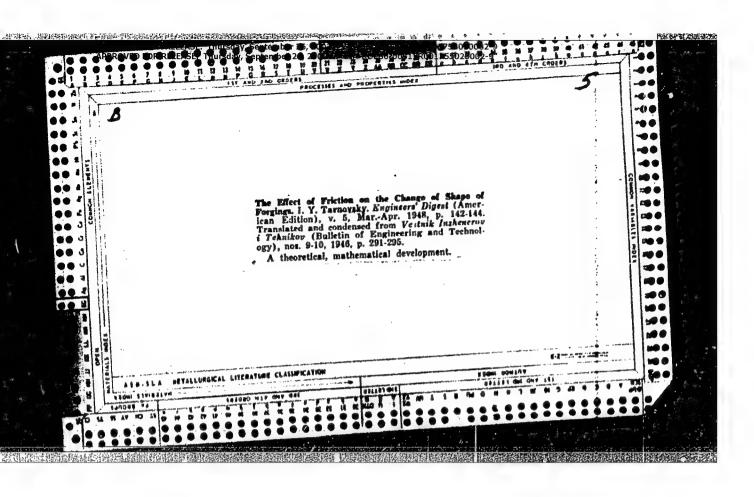
TARNOVSKIY, I. YA., Docent

"Widening in Forging and Rolling." Sub 27 Feb 47, Moscow Order of the Labor Red Banner Inst of Steel imeni I. V. Stalin

Dissertations presented for degrees in science and engineering in Moscow in 1947

80: Sum No. 457, 18 Apr 55





USER /Engineering Motallurgy Rolling

"Orovan's Work on the Theory of Rolling," I. Ya.
Tarnovskiy, Cand Tech Sci, Ural Polytech Inst, K. N.
Shevchenko, Cand Tech Sci, Inst of Mech, Acad Sci USBR, 32 PP

"Stal" No 10

Attacks work of E. Orovan, English metallurgist, making frequent reference to achievements of Soviet scientists in this field.

19/49750

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TARMOVSKIY, I.Ya., doktor tekhnicheskikh nauk, professor.

Equilibrium of forces during rolling with lateral spreading.

Equilibrium of forces during rolling with lateral spreading.

(MLRA 9:11)

(Rolling (Metalwork))

GANAGO, O.A., kandidat tekhnicheskikh nauk; TARNOVSKIY I.Ya., professor, doktor tekhnicheskikh nauk; KRASOVSKIY, N.M., inkhener.

Designing optimum blank shapes for forging gear-type products.

Trudy Ural.politekh.inst. no.45:137-151 '53. (MLRA 9:11)

(Forging)

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TARHOVSKIY, I.Ya., professor, doktor tekhnicheskikh nauk.

Distribution of spreading along the length of the deformation focus. Shor.st.Ural.politekh.inst. no.48:64-82 '53. (MLRA 9:3) (Rolling (Metalwork))(Deformations (Mechanics))